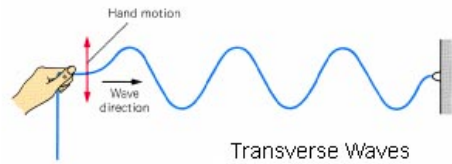


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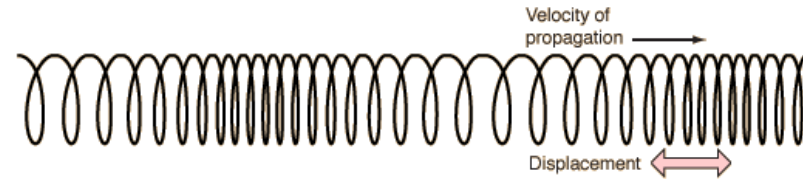
## 2 Types

### Transverse

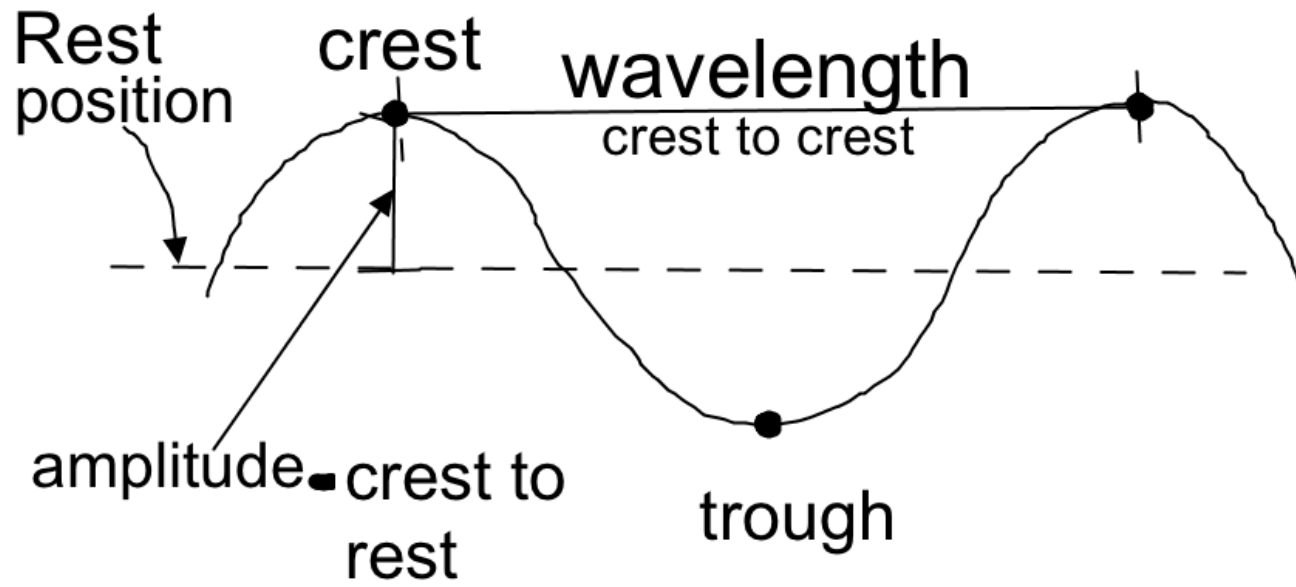


# Light

### Longitudinal.



# sound





Frequency = how often in a given time period.

Velocity = wave speed =  $V$

$$V = f\lambda$$

Velocity = frequency  $\times$  wavelength



$$v = \frac{f \lambda}{f}$$

$$\lambda = \frac{v}{f}$$

$$2 \text{ m/s}$$

$$6 \text{ Hz}$$

$$\lambda = ?$$

$$\lambda = \frac{2 \text{ m/s}}{6 \text{ Hz}} = \frac{1}{3} = \overline{.3} \text{ m}$$